

## ABSTRACT

The present invention leverages machine learning techniques to provide automatic generation of conditioning variables for constructing a data perspective for a given target variable. The present invention determines and analyzes the best target variable predictors for a given target variable, employing them to facilitate the conveying of information about the target variable to a user. It automatically discretizes continuous and discrete variables utilized as target variable predictors to establish their granularity. In other instances of the present invention, a complexity *and/or* utility parameter can be specified to facilitate generation of the data perspective *via* analyzing a best target variable predictor versus the complexity of the conditioning variable(s) *and/or* utility. The present invention can also adjust the conditioning variables (*i.e.*, target variable predictors) of the data perspective to provide an optimum view *and/or* accept control inputs from a user to guide/control the generation of the data perspective.